FORMULA FOR MAKING EMULSION FOR CANVAS

The art of coating a canvas with an emulsion would seem to lie in the preparation of the canvas, before it is coated. One source recommends over-night soaking in Ivory soap suds followed by a thorough rinsing in running water. It should then be dried IN THE DARK. It is claimed that materials will absorb light which will later fog the emulsion when it is coated.

After drying the canvas should be sprinkled and ironed by the light of a Wratten OA or OO safelight. The canvas is now soaked for 20 minutes in the following solution:

SALTING SOLUTION		Dignan's Catalog No.
Distilled water	500.0 cc	
Potassium Iodide	2.6 grams	(P600)
Potassium Bromide	8.0 grams	(P530)
Cadmium Bromide	2.6 grams	not carried
Water to make	740.0 cc	

More than one piece may be soaked at the same time, provided they are kept submerged.

The canvas, after soaking, should be dried in a warm place. This should be done in a dust free area and in the dark or by the light of the safelight.

After drying, the canvas is placed in the following solution:

SENSITIZING SOLUTION		
Distilled water	300.0 cc	
Silver Nitrate	10.8 grams	not carried
Citric Acid	2.6 grams	(C260)
Water to make	413.0 cc	

In a tray the above solution should be flowed over the canvas for about four minutes. The canvas should then be drained and dried. This will produce a fast type of bromide emulsion, suitable for enlarging.

The canvas can be developed in the following solution:

PYRO DEVELOPER		
Distilled water	1000.0 cc	
Pyro	1.9 grams	not carried
Citric Acid	5.7 grams	(C260)
Water to make	1500.0 cc	

Make only the amount you plan to use just before development.

EMULSION FOR CANVAS

Development is very slow.

Because of the acid developer, the tone produced is an intense red color.

Fixing should be in a 20% Sodium Thiosulfate solution.

If purplish-brown tones are desired, add 30. cc of Gold Chloride solution to the HYPO bath. To make a gold chloride stock solution, dissolve 15 grains of gold chloride in 300. cc of distilled water. You can also try an Acid Amidol developer for black tones.

After fixing, the canvas should be washed thoroughly and dried.

After fixing, the room lights may be turned on.

Dignan can supply Gold Chloride - 15 grains for $5.50 pp.